

chain nodes.:

13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 34 35 36 37
38 42 43 44 45 46 47 48 49 55 56 57 58

ring nodes:

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds:

1-14 2-17 3-21 4-23 5-24 6-18 8-42 9-34 10-15 11-16 12-13 13-14 13-19 14-20
21-22 23-25 24-26 27-28 29-30 35-36 37-38 42-55 43-44 43-45 43-46 47-48 48-49
55-56 56-57 56-58

ring bonds:

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds:

3-21 4-23 5-24 8-42 9-34 21-22 23-25 24-26 27-28 29-30 37-38 42-55 43-44
43-45 43-46 47-48 48-49 55-56 56-57

exact bonds:

1-14 2-17 6-18 10-15 11-16 12-13 13-14 13-19 14-20 35-36 56-58

normalized bonds:

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:X,Ak, [*1], [*2]

G2:O,S, [*3], [*4]

G3:[*5-*6], [*7-*8]

Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 42:CLASS 43:CLASS 44:CLASS
45:CLASS 46:CLASS 47:CLASS 48:CLASS 49:CLASS 55:CLASS 56:CLASS 57:Atom 58:CLASS

30 OCT 2007

Generic attributes :

57:

Saturation : Unsaturated

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 13:07:29 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 810 TO ITERATE

100.0% PROCESSED 810 ITERATIONS

6 ANSWERS

SEARCH TIME: 00.00.01

L2 6 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'CAPLUS' ENTERED AT 13:07:31 ON 25 OCT 2007

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FILE COVERS 1907 - 25 Oct 2007 VOL 147 ISS 18

FILE LAST UPDATED: 24 Oct 2007 (20071024/ED)

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<http://www.cas.org/infopolicy.html>

=> s '12

L3 11 L2

=> d ibib hitstr 1-11

30 OCT 2007

U.S. Application No. 10/550,982 - Compound Search

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

40.29

212.60

FILE 'REGISTRY' ENTERED AT 13:08:02 ON 25 OCT 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 23 OCT 2007 HIGHEST RN 951288-30-5

DICTIONARY FILE UPDATES: 23 OCT 2007 HIGHEST RN 951288-30-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

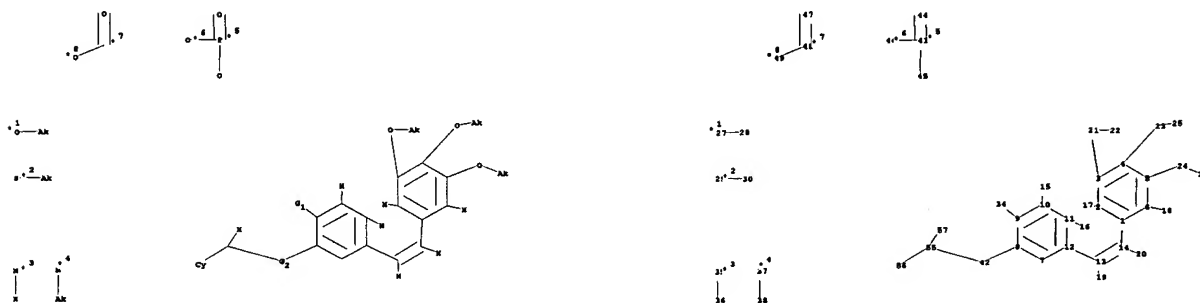
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY; refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=> .
Uploading C:\Program Files\Stnexp\Queries\10 series\10550982\NoL.str



30 OCT 2007

chain nodes :
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 34 35 36 37
38 42 43 44 45 46 47 48 49 55 56 57
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-14 2-17 3-21 4-23 5-24 6-18 8-42 9-34 10-15 11-16 12-13 13-14 13-19 14-20
21-22 23-25 24-26 27-28 29-30 35-36 37-38 42-55 43-44 43-45 43-46 47-48 48-49
55-57 55-56
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
3-21 4-23 5-24 8-42 9-34 21-22 23-25 24-26 27-28 29-30 37-38 42-55 43-44
43-45 43-46 47-48 48-49 55-56
exact bonds :
1-14 2-17 6-18 10-15 11-16 12-13 13-14 13-19 14-20 35-36 55-57
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:X,Ak,[*1],[*2]

G2:O,S,[*3],[*4]

G3:[*5-*6],[*7-*8]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 42:CLASS 43:CLASS 44:CLASS
45:CLASS 46:CLASS 47:CLASS 48:CLASS 49:CLASS 55:CLASS 56:Atom 57:CLASS
Generic attributes :
56:
Saturation : Unsaturated

L4 STRUCTURE UPLOADED

=> d
L4 HAS NO ANSWERS
L4 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

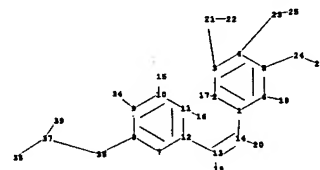
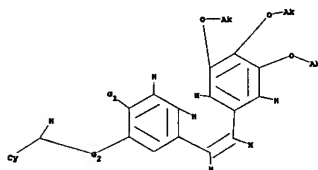
=> s 14 ful
FULL SEARCH INITIATED 13:08:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 248 TO ITERATE

100.0% PROCESSED 248 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L5 0 SEA SSS FUL L4

=>

30 OCT 2007



chain nodes :

13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 34 36 37 38 39

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

1-14 2-17 3-21 4-23 5-24 6-18 8-36 9-34 10-15 11-16 12-13 13-14 13-19 14-20 21-22 23-25 24-26 27-28 29-30 36-37 37-39 37-38

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :

3-21 4-23 5-24 8-36 9-34 21-22 23-25 24-26 27-28 29-30 36-37 37-38

exact bonds :

1-14 2-17 6-18 10-15 11-16 12-13 13-14 13-19 14-20 37-39

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:X,Ak, [*1], [*2]

G2:O,S,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS 34:CLASS 36:CLASS 37:CLASS 38:Atom 39:CLASS

Generic attributes :

38:

Saturation : Unsaturated

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 10:07:58 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2875 TO ITERATE

100.0% PROCESSED 2875 ITERATIONS

18 ANSWERS

SEARCH TIME: 00.00.01

L2 18 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

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FILE COVERS 1907 - 1 Nov 2007 VOL 147 ISS 19

FILE LAST UPDATED: 31 Oct 2007 (20071031/ED)

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=> s l2

L3 11 L2

=> d ibib hitstr 1-11